FIG.1

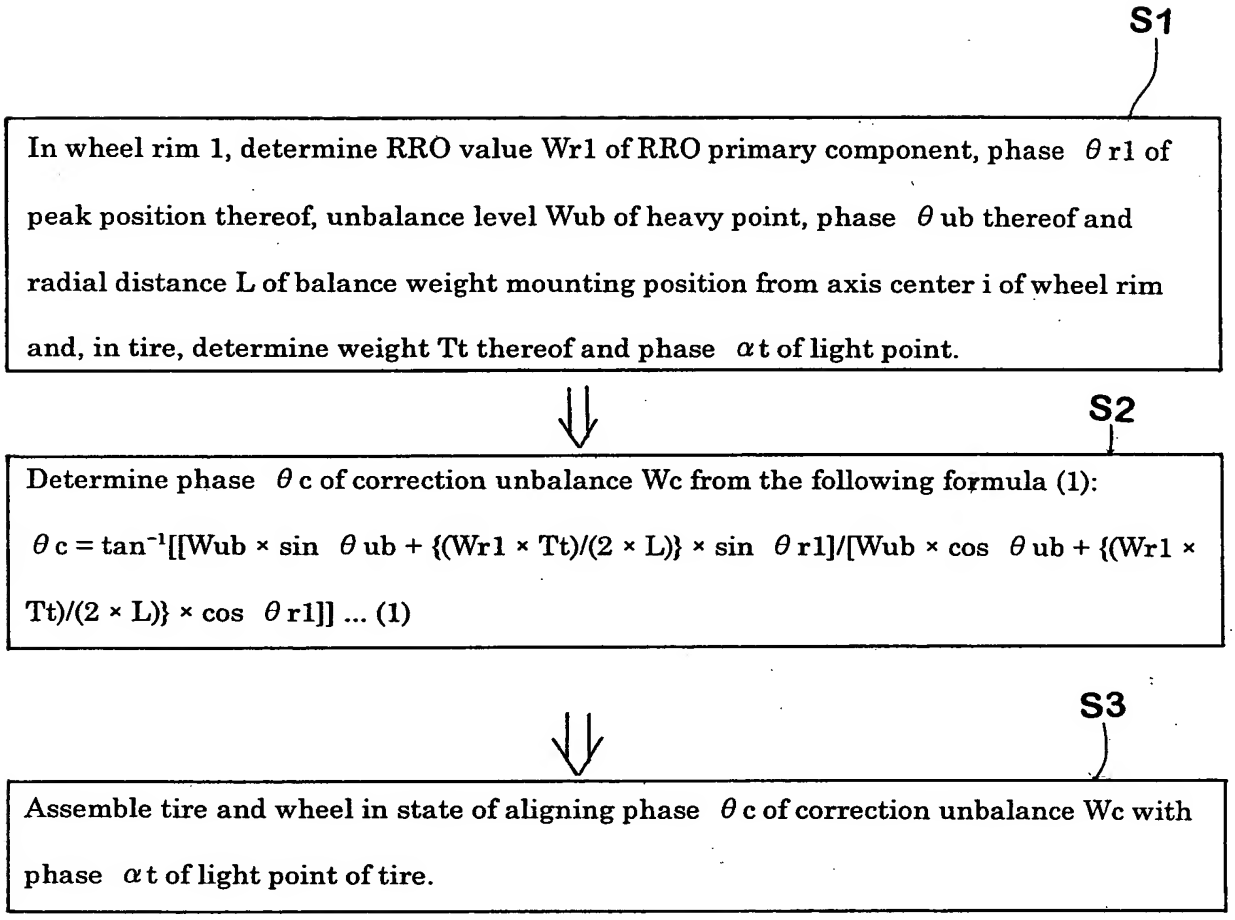

S1
In wheel rim 1, determine RRO value Wr1 of RRO primary component, phase θr1 of peak position thereof, unbalance level Wub of heavy point, phase θub thereof and radial distance L of balance weight mounting position from axis center i of wheel rim and, in tire, determine weight Tt thereof and phase αt of light point.
S2
Determine phase θc of correction unbalance Wc from the following formula (1):
θc = tan⁻¹[[Wub × sin θub + {(Wr1 × Tt)/(2 × L)} × sin θr1]/[Wub × cos θub + {(Wr1 × Tt)/(2 × L)} × cos θr1]] ... (1)
S3
Assemble tire and wheel in state of aligning phase θc of correction unbalance Wc with phase αt of light point of tire.

FIG.2

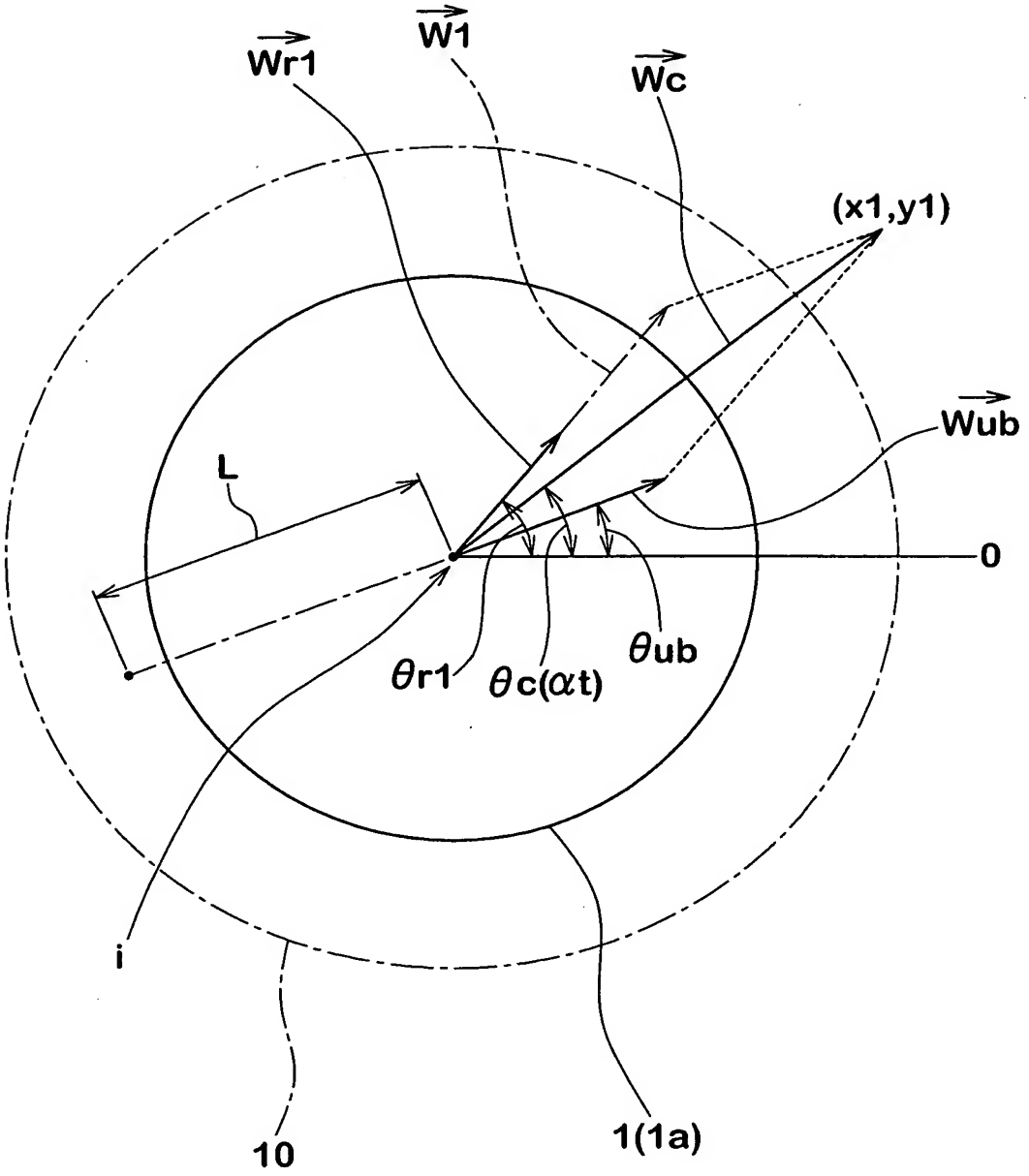

$\overrightarrow{Wr1}$
$\overrightarrow{W1}$
$\overrightarrow{Wc}$
(x1,y1)
$\overrightarrow{Wub}$
L
0
θr1
θc(αt)
θub
i
10
1(1a)

FIG.3

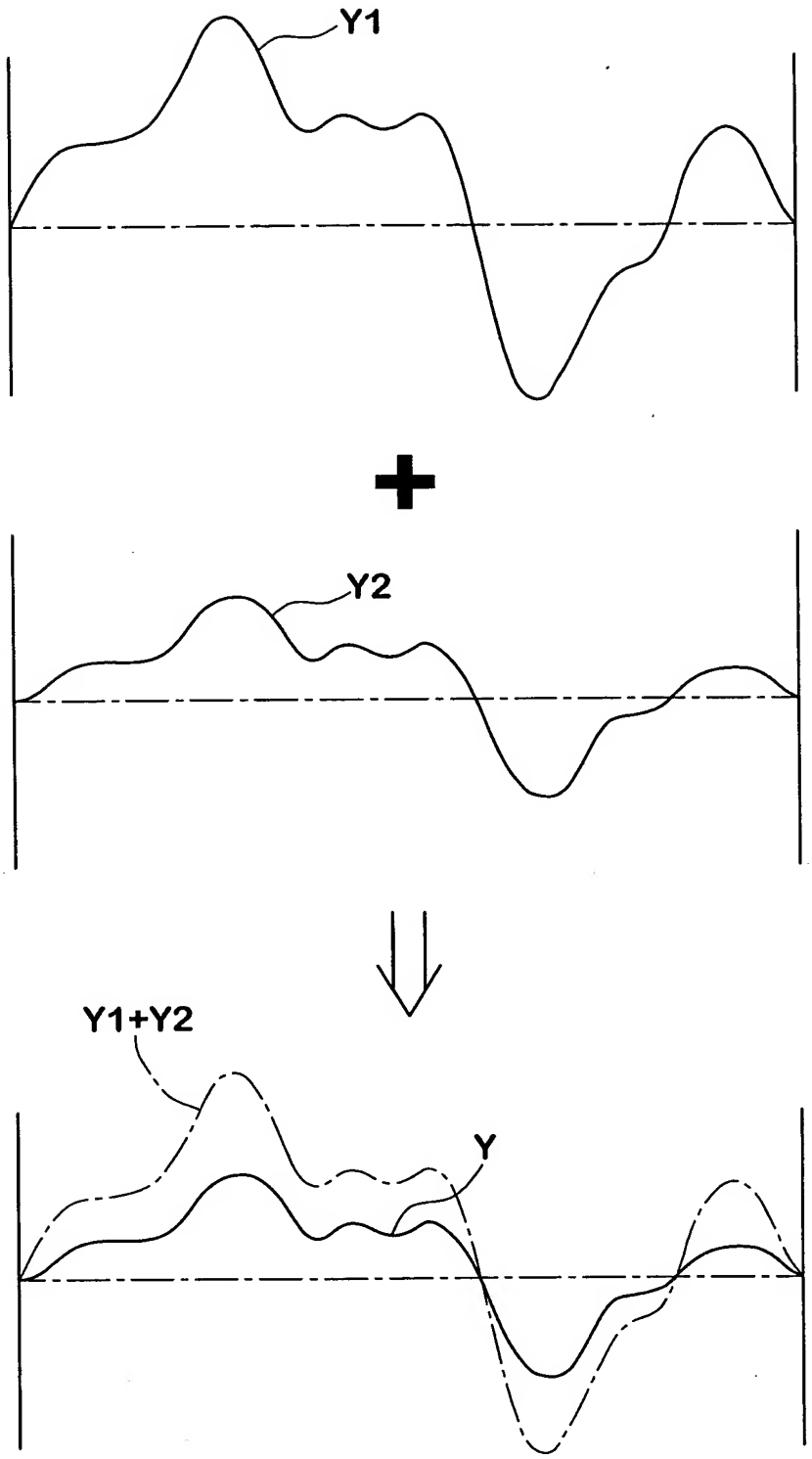


FIG.4

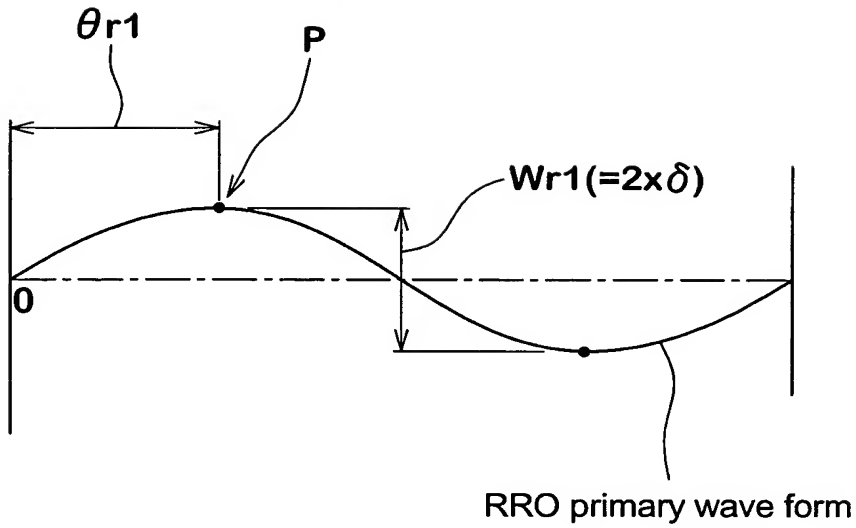


FIG.5(A)

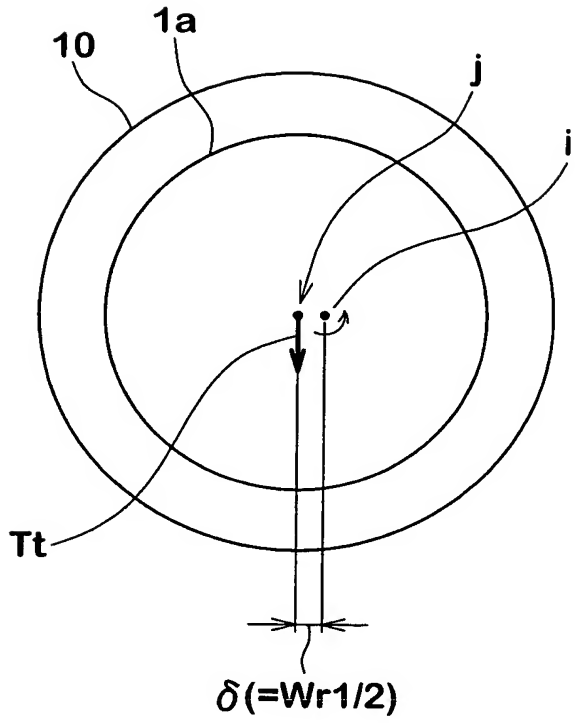


FIG.5(B)

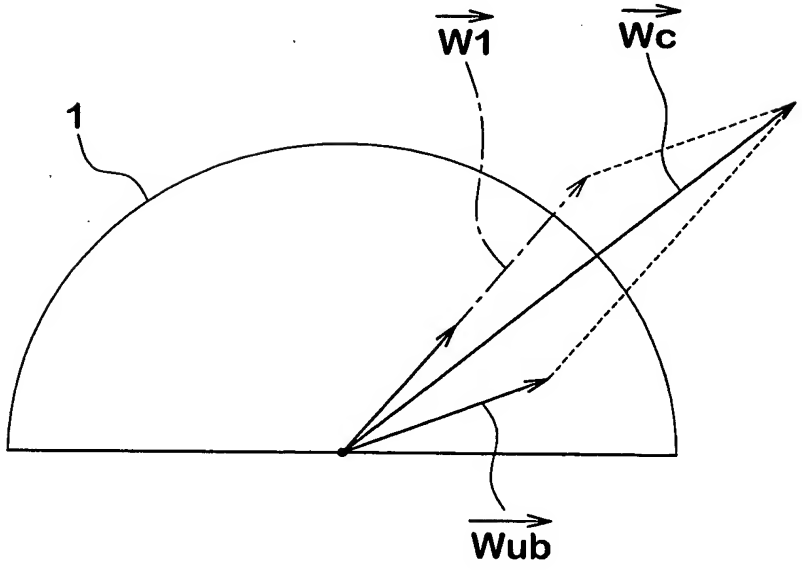


FIG.6(A)

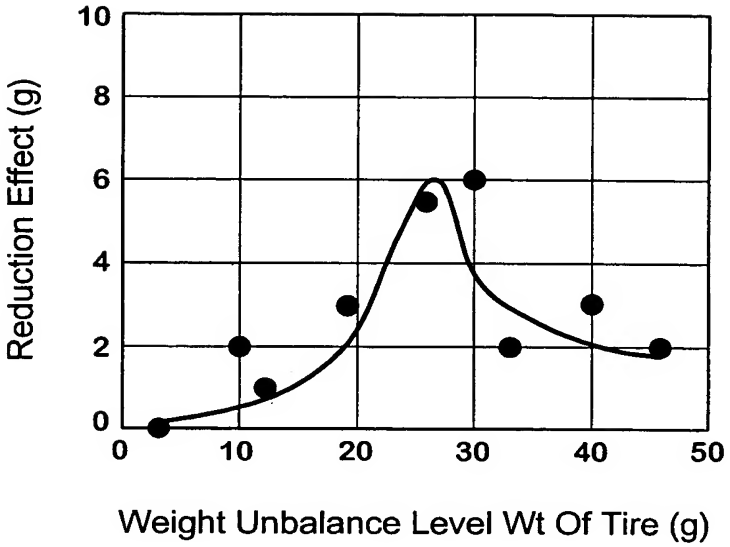
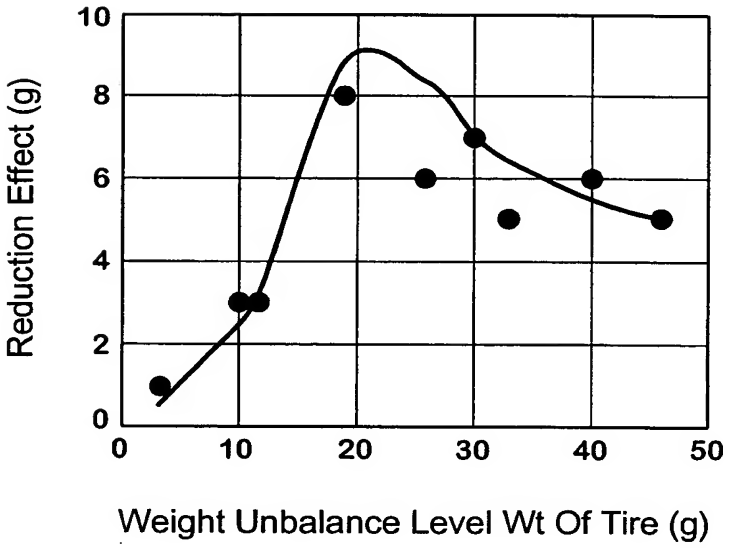

Reduction Effect (g)
10
8
6
4
2
0
0
10
20
30
40
50
Weight Unbalance Level Wt Of Tire (g)

FIG.6(B)


Reduction Effect (g)
10
8
6
4
2
0
0
10
20
30
40
50
Weight Unbalance Level Wt Of Tire (g)